



IFWO

## RAW SEQUENCE LISTING

DATE: 08/13/2004

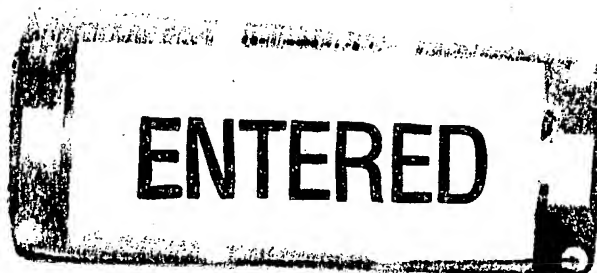
PATENT APPLICATION: US/10/828,782A

TIME: 12:08:03

Input Set : N:\AMC\D6508SEQ.txt

Output Set: N:\CRF4\08132004\J828782A.raw

2 <110> APPLICANT: Owens, S. Michael.  
 3 Lacy, H. Marie  
 5 <120> TITLE OF INVENTION: Mouse/Human Chimeric Anti-Phencyclidine  
 6 Antibody And Uses Thereof  
 8 <130> FILE REFERENCE: D6508  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/828,782A  
 11 <141> CURRENT FILING DATE: 2004-04-21  
 13 <150> PRIOR APPLICATION NUMBER: USSN 60/464,190  
 14 <151> PRIOR FILING DATE: 2003-04-21  
 16 <160> NUMBER OF SEQ ID NOS: 18  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 39  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: artificial sequence  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: primer\_bind  
 26 <222> LOCATION: 16, 22, 28, 31, 34  
 27 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to amplify  
 28 leader region of murine IgG1; r=a/g, s=c/g,  
 29 k=t/g, m=c/a.  
 31 <400> SEQUENCE: 1  
 32 ggggatatcc accatggrat gsagctgkgt matsctctt 39  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 39  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: artificial sequence  
 40 <220> FEATURE:  
 41 <221> NAME/KEY: primer\_bind  
 42 <222> LOCATION: 17, 26, 33  
 43 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to  
 44 amplify the leader region of murine  
 45 IgG1; r=a/g, y=t/c, k=t/g.  
 47 <400> SEQUENCE: 2  
 48 ggggatatcc accatgfract tcgggytgag ctkgggtttt 39  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 38  
 53 <212> TYPE: DNA  
 54 <213> ORGANISM: artificial sequence  
 56 <220> FEATURE:  
 57 <221> NAME/KEY: primer\_bind  
 58 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to  
 59 amplify the leader region of murine IgG1.  
 61 <400> SEQUENCE: 3



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62 ggggatatcc accatggctg tcttggggct gctcttct 38
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 38
67 <212> TYPE: DNA
68 <213> ORGANISM: artificial sequence
70 <220> FEATURE:
71 <221> NAME/KEY: primer_bind
72 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to
73 amplify the leader region of murine
74 kappa chain.
76 <400> SEQUENCE: 4
77 ggggatatcc accatggaga cagacacact cctgctat 38
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 39
82 <212> TYPE: DNA
83 <213> ORGANISM: artificial sequence
85 <220> FEATURE:
86 <221> NAME/KEY: primer_bind
87 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to
88 amplify the leader region of murine
89 kappa chain.
91 <400> SEQUENCE: 5
92 ggggatatcc accatggatt ttcaggtgca gattttcag 39
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 40
97 <212> TYPE: DNA
98 <213> ORGANISM: artificial sequence
100 <220> FEATURE:
101 <221> NAME/KEY: primer_bind
102 <222> LOCATION: 17, 25, 28, 37, 38
103 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to
104 amplify the leader region of murine kappa
105 chain, r=g/a, k=g/t, y=t/c.
107 <400> SEQUENCE: 6
108 ggggatatcc accatgagtc cacakacyca ggtctttrta 40
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 40
113 <212> TYPE: DNA
114 <213> ORGANISM: artificial sequence
116 <220> FEATURE:
117 <221> NAME/KEY: primer_bind
118 <222> LOCATION: 20, 25, 32, 34, 37, 40
119 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to amplify
120 the leader region of murine kappa chain;
121 k=g/t, w=a/t, y=t/c, r=g/a.
123 <400> SEQUENCE: 7
124 ggggatatcc accatgaggk ccccgctca gtyctkgr 40
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 37

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129 <212> TYPE: DNA
130 <213> ORGANISM: artificial sequence
132 <220> FEATURE:
133 <221> NAME/KEY: primer_bind
134 <223> OTHER INFORMATION: 5' primer with a EcoRV site used to amplify
135     the leader region of murine kappa chain.
137 <400> SEQUENCE: 8
138 ggggatatcc accatgaagt tgcctgttag gctgttg 37
141 <210> SEQ ID NO: 9
142 <211> LENGTH: 37
143 <212> TYPE: DNA
144 <213> ORGANISM: artificial sequence
146 <220> FEATURE:
147 <221> NAME/KEY: primer_bind
148 <223> OTHER INFORMATION: 5' primer with a NheI site used to amplify
149     the VL region of mAb6B5.
151 <400> SEQUENCE: 9
152 cccgctagcc accatgaagt tgcctgttag gctgttg 37
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 31
157 <212> TYPE: DNA
158 <213> ORGANISM: artificial sequence
160 <220> FEATURE:
161 <221> NAME/KEY: primer_bind
162 <223> OTHER INFORMATION: 3' primer with a NotI site used to amplify
163     the VL region of mAb6B5.
165 <400> SEQUENCE: 10
166 tatagcggcc gcagttttta tttccagctt g 31
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 39
171 <212> TYPE: DNA
172 <213> ORGANISM: artificial sequence
174 <220> FEATURE:
175 <221> NAME/KEY: primer_bind
176 <223> OTHER INFORMATION: 5' primer generated from primer with SEQ ID NO.1
177     and used to amplify VH of mAb6B5; r=a (*18),
178     s=c (*22) and g (*34), k=t (*28), m=a (*31)
179     * position in the primer sequence.
181 <400> SEQUENCE: 11
182 ggggatatcc accatgggat ggagctgtgt atgctctt 39
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: artificial sequence
190 <220> FEATURE:
191 <221> NAME/KEY: primer_bind
192 <223> OTHER INFORMATION: 3' primer with a NheI site used to amplify
193     the VH region of mAb6B5.
195 <400> SEQUENCE: 12

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196 ggggctagct gaggagactg tgagagtggg 30
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 39
201 <212> TYPE: DNA
202 <213> ORGANISM: artificial sequence
204 <220> FEATURE:
205 <221> NAME/KEY: primer_bind
206 <223> OTHER INFORMATION: 5' primer used to amplify ch-mAb6B5, where
207 the sequence is similar to primer with SEQ ID
208 No. 11, except the EcoRV site is replaced by
209 NheI site.
211 <400> SEQUENCE: 13
212 ggggctagcc accatggaat gcagctgtgt aatgctctt 39
215 <210> SEQ ID NO: 14
216 <211> LENGTH: 31
217 <212> TYPE: DNA
218 <213> ORGANISM: artificial sequence
220 <220> FEATURE:
221 <221> NAME/KEY: primer_bind
222 <223> OTHER INFORMATION: 3' primer with a XhoI site used to
223 amplify ch-mAb6B5.
225 <400> SEQUENCE: 14
226 gggctcgagt catttaccgc gagacagga g 31
229 <210> SEQ ID NO: 15
230 <211> LENGTH: 714
231 <212> TYPE: DNA
232 <213> ORGANISM: artificial sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Nucleotide sequence of anti-PCP
236 ch-mAb6B5 light chain.
238 <400> SEQUENCE: 15
239 atgaagttgc ctggttaggct gttgggtgctg atgttctgga ttcttgcttc 50
240 cagcagtgat gttttgatga cccaaactcc actctccctg cctgtcagtc 100
241 ttggagatca agcctccatc tcttgcatg ctagtccagc cattgtacat 150
242 agtaaatggaa acacctatct agaattggtac ctgcagaaac caggccagtc 200
243 tccaaagctc ctgatctaca aagtttccaa ccgattttct ggggtcccag 250
244 acagggttcag tggcagtgga tcagggacag atttcacact caagatcagc 300
245 agagtggagg ctgaggatct gggagtctat tactgctttc aaggcacaca 350
246 tgctccgtac acgttcggag gggggaccaa gctggaaata aaaactgcgg 400
247 ccgcaccatc tgtcttcac ttcccgcct ctgatgagca gttgaaatct 450
248 ggaactgcct ctgtgtgtg cctgctgaat aacttctatc ccagagaggc 500
249 caaagtacag tgggaaggtg ataacgcct ccaatcgggt aactcccagg 550
250 agagtgtcac agagcaggac agcaaggaca gcacctacag cctcagcagc 600
251 accctgacgc tgagcaaac agactacgag aaacacaaag tctacgcctg 650
252 cgaagtcacc catcagggcc tgagctcgcc cgtcacaaag agcttcaaca 700
253 ggggagagtg ttga 714
256 <210> SEQ ID NO: 16
257 <211> LENGTH: 237
258 <212> TYPE: PRT

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259 <213> ORGANISM: artificial sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Amino acid sequence of anti-PCP
263     ch-mAb6B5 light chain.
265 <400> SEQUENCE: 16
266 Met Lys Leu Pro Val Arg Leu Leu Val Leu Met Phe Trp Ile Pro
267           5.                10                15
268 Ala Ser Ser Ser Asp Val Leu Met Thr Gln Thr Pro Leu Ser Leu
269           20                25                30
270 Pro Val Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser
271           35                40                45
272 Gln Thr Ile Val His Ser Asn Gly Asn Thr Tyr Leu Glu Trp Tyr
273           50                55                60
274 Leu Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val
275           65                70                75
276 Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly
277           80                85                90
278 Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu
279           95               100               105
281 Asp Leu Gly Val Tyr Tyr Cys Phe Gln Gly Thr His Ala Pro Tyr
282           110              115              120
283 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Thr Ala Ala Ala
284           125              130              135
285 Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
286           140              145              150
287 Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
288           155              160              165
289 Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
290           170              175              180
291 Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
292           185              190              195
293 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
294           200              205              210
295 Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
296           215              220              225
297 Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
298           230              235
301 <210> SEQ ID NO: 17
302 <211> LENGTH: 1389
303 <212> TYPE: DNA
304 <213> ORGANISM: artificial sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Nucleotide sequence of anti-PCP
308     ch-mAb6B5 heavy chain.
310 <400> SEQUENCE: 17
311 atggaatgca gctgtgtaat gctcttcctc ctgtcaggaa ctgcaggtgt 50
312 cctctctgag gtccagctgc aacagtctgg acctgagttg gtgaagcctg 100
313 gggcttcagt gaagatgtcc tgcaaggctt ctggctacac tttcactgac 150
314 tactacatac actggatgaa gcagagccat ggaaagagcc ttgagtggat 200

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**VERIFICATION SUMMARY**

DATE: 08/13/2004

PATENT APPLICATION: US/10/828,782A

TIME: 12:08:04

Input Set : N:\AMC\D6508SEQ.txt

Output Set: N:\CRF4\08132004\J828782A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number